

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "Jon Iza" <iapizloj@biccc00.bi.ehu.es>  
Subject: [4646] Cascade 20M module info  
Message-ID: <199510231958476698.iapizloj@bi.ehu.es>

Folks,  
I did ask first about inconsistency of information among L1 and T1 on silkscreen/schematics and parts list/text. It says 22 turns on both first places and 31 on the second ones. The good news is that it says too the toroid has to have 2.9 microhenries. Using the Amidon information, a T37-6 needs 31 turns for such inductance.  
I did mine with 31 turns on L1, 31 + 2 on T1 and the 20 M crowd came right in thru the speaker. So far so good.  
I hope to help someone somewhere.  
Saludos from Spain.  
jon, ea2sn

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: RobCap@aol.com  
Subject: [4636] Cascade Dial Art  
Message-ID: <951023104902\_51835212@mail04.mail.aol.com>

A number of people have asked me if I can upload the artwork for the Cascade dial. The answer is, well, I don't know. I have brought the dial art to the office, so all I need are instructions on how to upload it so that it can be accessed by the QRP-L.

I'm on AOL. I use a Macintosh. The art is in Microsoft Works format, and in PICT file format.

Send your reply directly to me at: Robcap@AOL.com

73,

Rob, WA3ULH

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: km@PACT.ORG.PE (Kris Merschrod)  
Subject: [4656] Dear Al on NE vs ARCI  
Message-ID: <m0t7Wq9-000AsbC@rcp.net.pe>

Al,

I can see that you are after my thoughts; I'll not go into

details, but I don't think that Phili is in the NE.

Kris

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "BOB SCHNICK, DIRECTOR, LECOM LIBRARIES" <schnick@shrsys.hslc.org>  
Subject: [4675] Filter Advice Sought  
Message-ID: <0099856F.6B8C7DE2.239@shrsys.hslc.org>

I am soliciting advice and comments on experience and/or preferences with audio filters - especially DSP filters. I currently use a SCAF (OHR) with moderate satisfaction, however, I need more flexibility at certain times. Thanks

73 Bob KA3YJG

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: BOB.LIESENFELD@hamlink.mn.org (BOB LIESENFELD)  
Subject: [4648] FINAL MATCHING  
Message-ID: <814457298.AA03977@hamlink.mn.org>

Hi gang,

Saw the interesting posts regarding "matching" the final transistor to the output filter and comments regarding harmonic rejection. Have to throw in my two cents...

When talking about class C amps such as used in the QRP rigs under discussion, the collector "impedance" is most certainly *\*not\** "matched" to the filter. The output Z of a typical QRP final is quite

high, typically modeled by a high resistance in parallel with a cap whose size can vary depending on device, operating point, etc.

The function of the filter is usually, but not always 2 fold. The first is to transform through the action of the relative values of the

L and C, the load resistance (usually 50 Ohm in today's world), to a value to present to the collector that will cause a desired power output from the device, at a given Vcc.  $R_L = V_{cc}^2 / 2 \times P_o$ .  $R_L$  being the load required by the collector, and  $P_o$  the desired power out. At typical QRP powers this works out to be around 20 Ohms with a 13.8

VDC

supply.

This assumes that the final has the proper drive level, and has the collector area/doping to be able to deliver this power level.

The other function of the filter is to reduce harmonic content. Sometimes these two functions can't be obtained in one section, so two networks are made. One to transform the load resistance to the proper value to be seen by the collector, the other a 1:1 ( $R_{in}=R_{out}$ ) to reduce harmonics.

Notice I used R above and not Z. Any reactance in the load as well as the collector capacitance, must be included when calculating these networks, but that's another story...

72 Bob WB0POQ

Technology is OUT of control.....

---NoSnail v1.17

\*\*\*\*\*  
HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34 Ham Radio Spoken Here!!  
- 612/HAM-1010 v.32b Reply to sender @ hamlink.mn.org  
\*\*\*\*\*

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "evans ken" <evans.ken@wgs-2.bwi.bls.com>  
Subject: [4641] FOX  
Message-ID: <n1397671224.77461@wgs-2.bwi.bls.com>

I am the Fox on Wednesday, October 25, 1995. My schedule is as follows:

\* I'll be on from 8PM EDT to 10PM EDT.

\* I'll start at 8PM EDT on 7.110 MHz and stay there until 8:15PM EDT

\* At approximately 8:15 PM EDT I'll QSY to 7.040 MHz and stay there until we stop at 10 PM EDT.

Both frequencies are +/- QRM.

I'll send "CQ Fox" and listen both above and below my xmit freq.

Good hunting!

72/3,

Ken KJ4XR

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Joe Spencer <jspencer@metronet.com>  
Subject: [4658] FOX  
Message-ID: <Pine.HPP.3.90.951023200352.13441A-100000@fohnix.metronet.com>

Hooray!!!!

I finally worked the Fox!! Thanks to Paul for putting up with my shaky fist. My keyer went T U at the last minute so I used an old J-38...still works. Thanks again to Paul..lots of QRM and many people on 40 but got thru.... I am hooked for sure now.

73, Joe KK5NA

-----  
Joe Spencer KK5NA . .  
jspencer@metronet.com  
QRP ARCI-8781 NORCAL-1179 NORTEX-112 G-QRP 8959  
Arlington, TX  
-----

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Bill Acito <acito@ultranet.com>  
Subject: [4662] fox  
Message-ID: <01BAA195.4E5062C0@acito.ultranet.com>

No luck from my QTH tonight... you just came up out of the noise with five minutes left... oh well...

b

Bill Acito acito@ultranet.com Hudson, MA

KC1GS ... qrp-ne ... qrp-arci ... norcal ... arrl life ...

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: V\$BCIESLAK@china.qgraph.com  
Subject: [4678] FOX  
Message-ID: <01HWT81H8SGI00IBEC@hub.qgraph.com>

Heard the fox last nite here in SE Wisconsin, Timewave 59+ DSP filter made it easy. Blocked out all the broadcast stuff around 7.110, scrubbed out the static, and threw on the agc. Dialed the filter down to 75 Hz and there he was. Almost code practice oscillator quality...

Brian AE9K

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [4642] FOX sked for Tonite  
Message-ID: <199510231631.KAA15576@zia.aoc.nrao.edu>

Gang,  
I'm the FOX tonite and figure I'll just spend the first hour on the Novice Band and the second hour "down below." Here in New Mexico around 7.040, we sometimes get the Mexican SSB QRM pretty bad. So my hour on the Novice Band is primarily QRM avoidance (hopefully), and will be eager to work all QRPers regardless of race, creed, religion or license class.

Thus, in LOCAL TIMES ...

DAY	DATE	EDT	CDT	MDT	PDT	FREQUENCY
Monday	Oct. 23	8- 9pm	7-8pm	6-7pm	5-6pm	7.110 +/- 5 KHz
		9-10pm	8-9pm	7-8pm	6-7pm	7.040 +/- 5 KHz

I'll be using a modified MFJ-9040 and switching between a dipole and my phased array (lobes switchable to east or west). Might even plug in the Whiterook paddles for this!

Remember, while in the Novice Band, keep output power below 200 watts. (Hey, I'm kidding Chuck, ... a joke!)

GL es 72, Paul NA5N  
Socorro, New Mexico (80mi. south of Albuquerque on the Rio Grande)

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: adams@chuck.dallas.sgi.com (chuck adams)  
Subject: [4649] FOX: schedules  
Message-ID: <199510231929.TAA24508@chuck.dallas.sgi.com>

Gang,

For this exciting week, here are the skeds:

Week of October 22, 1995 -- US Timezones

Monday	October 23, 1995	---	7-9 CDST	NA5N	Paul
Wednesday	October 25, 1995	---	8-10EDST	KJ4XR	Ken

Here they are in UTC

Tuesday	October 24, 1995	---	0000-0200UTC	NA5N	Paul
Thursday	October 26, 1995	---	0000-0200UTC	KJ4XR	Ken

And from the fox themselves we have:

-----Monday nite special from Paul NA5N-----

LOCAL TIMES ...

DAY	DATE	EDT	CDT	MDT	PDT	FREQUENCY
-----						
Monday	Oct. 23	8- 9pm	7-8pm	6-7pm	5-6pm	7.110 +/- 5 KHz
		9-10pm	8-9pm	7-8pm	6-7pm	7.040 +/- 5 KHz

I'll be using a modified MFJ-9040 and switching between a dipole and my phased array (lobes switchable to east or west). Might even plug in the Whiterook paddles for this!

Remember, while in the Novice Band, keep output power below 200 watts. (Hey, I'm kidding Chuck, ... a joke!) [Hmm. 200W is QRP????? - K5FO :-)]

GL es 72, Paul NA5N  
Socorro, New Mexico (80mi. south of Albuquerque on the Rio Grande)  
[Isn't this where the UFO's are? :-)] - K5FO]

-----and from KJ4XR Ken-----

\* I'll be on from 8PM EDST to 10PM EDST.

\* I'll start at 8PM EDST on 7.110 MHZ and stay there until 8:15PM EDST

\* At approximately 8:15 PM EDST I'll QSY to 7.040 MHz and stay there until we stop at 10 PM EDST.

Both frequencies are +/- QRM.

I'll send "CQ FOX" and listen both above and below my xmit freq.

-----end of quotes from foxes-----

After this week we go back to standard time in this country. :-)  
Oh the confusion of it all.....

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com  
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: af852@rgfn.epcc.Edu (William R Colbert)  
Subject: [4652] glowbugs  
Message-ID: <9510231257.AA11231@rgfn.epcc.Edu>

Re: the listing from Jeff, NH6IL, has a subscription system been set up for this list and if so does anyone have the info? Dig out the 1T4, 1R5, 3S4 50C5 50L6 types. 72/73 Ray, W5XE

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: ve1hdw@fox.nstn.ns.ca (Harvey winters)  
Subject: [4643] Great Feeling.  
Message-ID: <199510231723.0AA06188@Fox.NSTN.Ca>

What a great feeling to build a Explorer 30 kit and have it work without too much work getting it aligned and on the air.

Just worked W9SYV in Watertown Wis. We both were using vertical antennas, very light qsb. He wasn't qrp but who cares my little rig works. All I need is a bit more audio, maybe good headphones at 8 ohms will be of some help.

All I need now is antenna switch so I can switch between 40/30 meters. I am sure will have one ready in short time as I hate moving feedlines.

Thanks to those that helped when I had a question.

73 de Harvey  
Harvey D Winters VE1HDW  
ve1hdw@fox.nstn.ns.ca  
G-QRP #8973 NE397

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: RobCap@aol.com  
Subject: [4650] Have Unsubscribed  
Message-ID: <951023165154\_52172109@mail04.mail.aol.com>

Hi Folks-

Again, am finding myself too busy to monitor the QRP-L volume of traffic, so have unsubscribed. If you need to reach me, please use my direct address:  
Robcap@AOL.com

73,

Rob, WA3ULH

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: ssalgaller@CCGATE.HAC.COM  
Subject: [4653] Hogan's Heros  
Message-ID: <9509238144.AA814491244@CCGATE.HAC.COM>

All the discussions of hidden antennas makes me remember an episode of the 60's TV show "Hogan's Heros":  
As you will recall, Hogan had a radio operator (Kinch?) who used morse code to communicate with the outside world. Their antenna was the camp's flagpole, which was mechanically raised during nighttime transmissions.  
In this particular episode, they needed to talk with a submarine offshore. Kinch explained to Hogan that he needed a 4' by 4' metal "hat" (a capacitance hat!) to transmit on the lower frequency needed to reach the sub. Hogan was told that it could not be made smaller. Being clever, Hogan then



asked if it could be bent. Getting a yes answer, he then bent the pipe into a certain Nazi symbol. Transmissions were made with no attention to the flagpole addition. There must have been hams as writers on that show !? Stephen S.  
WA3ZGT

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "Bradley Mugleston" <bmugleston@dtus.com>  
Subject: [4671] Homebrew address  
Message-ID: <9509238144.AA814472455@cc2.dttus.com>

I saw an address to Ham-Homebrew@ucsd.edu in one of these messages. Does anyone know how to join?

Thank you

Brad KB0ROL

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: RobCap@aol.com  
Subject: [4635] KC-1 works w/ Cascade  
Message-ID: <951023104058\_51830534@emout05.mail.aol.com>

Hi Folks:

I have interfaced the KC-1 memory keyer/counter to the Cascade, my third such interface.

Here is how I interfaced the KC-1 to the Cascade:

Mounting: Drilled two holes into the front panel of the radio to hold the momentary switches. The holes are centered directly over the RF and AF gain pots.

R1: I used a fixed resistor in place of the 10K trim-pot. Since I'm only using the KC-1 as a counter in this SSB rig, it's only use is frequency playback. Therefore, I'm less concerned about changing speeds to meet the flexible requirements of QSO's. I used 2.2 K and 1 K resistors in series to deliver a comfortable speed. Alternatively, you can use the 10K panel pot, or a mini trim pot instead.

CV- 51 pF (a 33 pF and an 18 pF in parallel; 33 pF was not sufficient for a reliable measurement).

CA- not used. (Wayne will probably E-mail me and tell me why it would have been a good idea to install CA, but it worked fine without it. I'll get around to installing a .01 uF the next time I'm into the radio.

RA- 100K Ohms

V. Connected to the junction of R21 and R57 underneath the board. There is a convenient unused hole directly across this junction, so I fed a small teflon coated wire through the hole, and soldered the wire to the junction. Make sure the wire is insulated from the feed-hole itself. The wire was routed to CV, mounted on the KC-1.

AF- Route to 100K ohm RA mounted on the KC-1, then to wiper lead of audio pot on front panel of the Cascade.

Programming: o3A000 (+/- 2 KHz. Mine actually worked better at o3A998).

To program the KC-1, I temporarily soldered connections for dot/dash, and hooked the KC-1 up to a set of paddles. Once programming was finished, I removed these dot/dash connections. Alternatively, if you plan to make frequent programming changes, you can run dot/dash connections to a stereo jack for hooking up paddles.

This implementation provides accurate frequency data, and a pleasing audio level from the KC-1, which can be altered with the rig's audio level pot.

73,

Rob, WA3ULH

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Jeff Gold <JMG@tntech.edu>  
Subject: [4683] KC1  
Message-ID: <01HWT9LEVGQQ987EG0@tntech.edu>

guys and gals,

just got my KC1 in the mail yesterday... BOY is that board TINY.

Only problem I foresee is choosing which rig it goes in.. probably should put it in the HW9.. but that already has the S&S freq counter on top.. but having a keyer and freq counter all inside sure sounds appealing.. guess it is that or the Wilderness Norcal

40A.. haven't marked the calibrations on that one.. the rig looks so purty, I hate sticking on those nice little printed labels.. tried it and didn't like the way it looked.. .been holding off till I could come up with some eye pleasing way to mark it.

Sure not many parts on the KC1 either.

73

Jeff, AC4HF

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Bruce Robertson <brucero@epas.utoronto.ca>  
Subject: [4667] MOSFET rev. voltage protect  
Message-ID: <Pine.SGI.3.91.951023235458.29935B-100000@epas.utoronto.ca>

It was SPRAT day in Metro Toronto today. I got mine and VE3VAW got his. There's lots of little projects there; just the sort of thing I like about SPRAT. Anyway, one is a reverse voltage protect scheme that uses a MOSFET as a switch; the result is that at low to middle current, you don't get the voltage drop of the dummy diode. Anyway, I'm wondering if anyone who has read the article can say if we can use IRF520, 30 or 40s in this application? Also, there are zeners at the input and output to guard against voltage spikes. How likely is this if one isn't using auto +12v supply?

By the way, I was deleted from our system for a few days there. It was unexpected, and I hope it didn't cause any troubles.

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: ruswhite@netwest.com (Russell W. White)  
Subject: [4663] My first Fox  
Message-ID: <199510240312.UAA05348@saguaro.netwest.com>

Hello to all:

Well, at 0038 utc I worked the Fox. Calling him was easy, but, when I heard him send back my call, well, then the fun began.

Paul sent me a signal report and his name and then he sent it back to me with a "BK". Well, I've studied code real hard so that I could Pass my 20 wpm for my Extra class test, but my CW expertise isn't (for all practical purposes, this was my first CW QSO)  
Well, Paul sends it back to me with "BK" and I send back "BK" and "R R", except, my keyer starts to mess up. I mean, I go to send a - and a . goes out instead. This happens three or four times before I realize that I'm pushing the wrong paddle (honest guys I really have been practicing with with my keyer).  
I finally get all the needed info to Paul and send it back to him with that dreaded "BK". When Paul comes back to me this time he is a little slower because he "heard" my nervousness. I REALLY appreciate that. After he sends 73 and the QSO is over I have to get up and walk off some of my nervousness, but,

I DID IT..... I WORKED THE FOX.

Russ AB7JX

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "Norman E. Fink" <norm@uu1238.flowerslabs.com>  
Subject: [4682] Nabbed the FOX!  
Message-ID: <9510241417.AA09730@flowerslabs.com>

It took me almost the full two hours, but I finally did it. I nabbed the Fox!!

This was my first opportunity to actually get in there and try to make contact with

a fox. With my rig and antenna setup I figured this would be like shooting fish in a

barrel, Hi. I use an ICOM-751 cranked back to 4.5 watts, and an all-band inverted vee, the center is at about 70 feet and is fed with 450 ohm ladderline through an MFJ tuner.

Boy, was I wrong.

I almost made it at the end of the first hour, when the BC interference was horrendous, but was unable to tell for sure if Paul had gotten my call. Then he moved to about 7142 khz

where things were a lot clearer. After about 45 minutes I finally got answered!

In my pursuit, I listened to Paul come back to stations all over the country, and into Canada.

I was hearing about 90 percent of the stations he was working, even those on the west

coast. The thought kept coming to me, "These are QRP stations I'm hearing.

Paul's hearing

them, but he's not hearing me - Why not? Sure would be nice to know what kind of rigs

these guys or gals are using."

Well, at least I finally made it. I'll try again on Wednesday, but I'll be a lot more humble!

I have to congratulate those of you who are doing such a great job with QRP and QRPp. If

any of you know anything I don't, please share it with me.

Another thought. For those of you who post your experiences of chasing and nabbing the

fox, I think it would be interesting to all to know where you're located and what your

QRP setup is, with power-out.

By the way, I'm located in central Florida midway between Daytona and Orlando.

See you all on Wednesday!

Norm, K2NF

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995

From: Craig LaBarge <74740.3166@compuserve.com>

Subject: [4654] Need Toroid Core Help!

Message-ID: <951024003435\_74740.3166\_EHB142-1@CompuServe.COM>

I was looking through my dog-eared copy of Edward Noll's (W3FQJ) book "Solid State QRP Projects" (circa 1970) and decided re-live my Novice days from 20+ years ago and build another "All-band Two-Watter" (aka "Michigan Mighty Mite"). This time, for 80 meters using a 3.579 crystal from the junk box.

For the toroid version of the output tank, a Permacor 13/16" 57-1541 core is specified. Does anybody have the specs on this core or an equivalent Amidon core type?

73, Craig WB3GCK

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Bill Acito <acito@ultranet.com>  
Subject: [4655] New Address  
Message-ID: <01BAA189.B95A3C00@acito.ultranet.com>

Just an fyi...

I have changed my qrp-1 mailing address over to my home internet address.  
Yes, admittedly I have a work and home internet address... egads.

The other still works, but I'll be reading from the one at the bottom.

Bill Acito            acito@ultranet.com            Hudson, MA  
  
KC1GS                ... qrp-ne ... qrp-arci ... norcal ... arrl life ...

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Jeffrey Herman <jeffrey@math.hawaii.edu>  
Subject: [4638] Not Yet!!  
Message-ID: <Pine.SUN.3.91.951023050755.4026C-100000@kahuna>

Hi Gangs (on both BA and QRP lists),  
Please don't subscribe to Glowbugs yet - let's wait for someone to  
step forward to assume command. I'll release the subscription  
details after I can get listownership transferred; my mailbox  
is already beginning to fill up with messages from the auto-  
subscriber - this is what I didn't want to happen...

Jeff

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "N100Q Tom R. @ MR01 23-Oct-1995 1111" <randolph@est.ENET.dec.com>  
Subject: [4639] Opto 1200H freq counter mod  
Message-ID: <9510231518.AA06426@us4rmc.pko.dec.com>

Here it is, first time in amateur correspondence, only here on the QRP-L!  
I plan to use my modified counter for crystal filter work...  
-Tom R. N100Q randolph@est.enet.dec.com

Modifying the Optoelectronics 1200H frequency counter for 10 Hz resolution  
Tom Randolph N100Q Oct.1995

The Optoelectronics 1200H from the factory will count down to 100 Hz resolution on the slow (2.5 seconds/count) range, and to 1000 Hz on the fast (0.5 second/count) range. If you have a need to get 10 Hz resolution of MF-VHF signals, this mod's for you. This mod's not for you if you need to read the 60 Hz frequency of the line voltage! The counter still won't have any sensitivity that low down.

As modified, the counter will have 8 digits of resolution, 100 MHz to 10 Hz on the slow range, and the count rate will be dropped to 25 seconds/count. This is a little slow, but tolerable when working with stable circuits. You won't be able to read someone transmitting for a few seconds on their handheld. The oscillation must continue for at least 25 seconds. You also lose the 1 GHz digit on slow range. Fast range is untouched, and will still read up to 1.2 GHz.

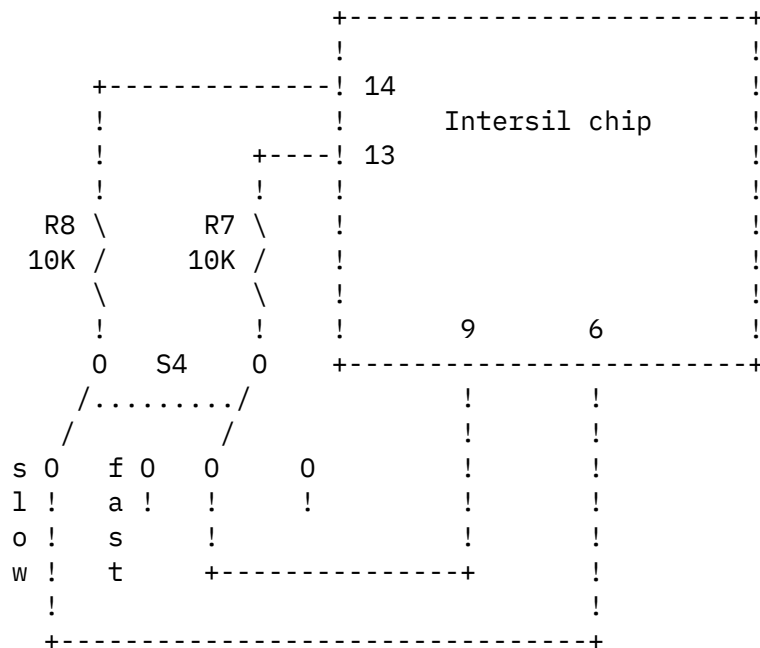
The Intersil chip (the biggest chip in there) used in these counters is CMOS, so take static electricity protection measures when doing the mod. Wear a grounded wrist strap, and use a grounded-tip soldering iron.

- Remove the four cover screws. Slide off the top cover. The red plastic face plate over the 7-segment displays will fall out.
- Lift the circuit board out of the bottom cover by lifting the end opposite the BNC connector. The BNC simply slides out of the hole in the cover. The Nicad batteries will be sort of hanging free as you lift, so don't go crazy.
- Locate the slow/fast range switch on the circuit board. On the opposite side are one pair of Nicads. Bend this pair up so you can work on the board beneath them.
- Note which end the switch is at when switched to slow range (the counter works while out of the case if you need to play). Cut the two traces coming from that end of the switch with a pointy X-Acto blade.
- The switch switches two signals: a count reference to pin 14 on the Intersil chip, through R8 10K ohms, and a decimal point position reference to pin 13 on the chip, through R7 10K ohms. Check the traces from the center pins of the switch and note which side is connected to R8 and pin 14 on the chip.

Run a wire from the slow end pin that you cut loose, on the R8/pin 14 side of the switch, to pin 6 on the Intersil chip, on opposite side of the board. I found the easiest way is to route the wire between the pryed-up batteries, through the hole in the corner of the board, and from there to pin 6. Run a similar wire from the slow end pin, on the R7/pin 13 side of the switch, to pin 9 on the chip.

- You're done. Set the switches to "norm" sens, "500" range/MHz, "slow" gate. Turn the counter on and check that the display reads: [     .00000 ]. It may read a different number, the important thing is that the decimal point and 5 digits are displayed. If it's blank, the wire to pin 9 is bad. If you don't see the gate LED flashing about every 25 seconds, the wire to pin 6 is bad.
- Push the batteries back down, reassemble the case. You might want to put a new blob of heat sink compound on the back of the 7805 regulator that's pressed against the cover. Play and make sure everything works.

Final schematic:



From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "Bradley Mugleston" <bmugleston@dtus.com>  
Subject: [4645] Printing the Digest



Message-ID: <9509238144.AA814477524@cc2.dttus.com>

Any of you that are using the DIGEST method of getting this list and don't enjoy printing 30+ pages every day I have a shareware program that will print 4 pages per page, and yes you can read them. It actually prints two pages per side of paper. You run the program and then it prints two pages on one side and then you flip the paper over and it prints the other side. Fold everything in half and you have a 5.5" X 8.5" book - all in order including page numbers if you want. The program is called 'LJBOOK.EXE' (IBM) and works on HP II or higher printers. If someone can tell me how to upload it to this list I'll do it.

Brad Mugleston KB0ROL

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>  
Subject: [4673] Quieting reed relays?  
Message-ID: <25137.814511469@safety.ics.uci.edu>

I just got an OMNI VI. It is a good basic radio, with only a few drawbacks. It has a reed relay that controls some part of the keying circuit (yeah, I don't believe it either...I heard the relay, and called Ten Tec who said it was the reed relay)

Now, I will look to see exactly where it is...and try to figure out whether I can replace it with a transistor or something. I would rather leave well enough alone if I can - hence my question:

Anyone know how to "quiet" a reed relay?

I thought I could take it off the board then remount it into some rubber or silicone cement on the circuit board to deaden the sound. I also thought that I might then cover it with a little styrofoam box of some sort. Any suggestions? Anyone else have the OMNI and want to figure this out with me?

Clark  
WA3JPG

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Bill Northup <northup@sw.stratus.com>  
Subject: [4685] Request for FOXs  
Message-ID: <199510241422.KAA01982@blackdog.sw.stratus.com>

I would like to make a request of you FOX's. Could you post your schedule before they day thay you are on. As a digest reader I just found (tuesday) the schedule for last nights (monday) fox.

This time I don't think it mattered because if Bill (KC1GS) didn't hear the fox I don't think I would have either.

Bill

--

Bill Northup	PHONE:	(508) 460-2085
Stratus Computer Inc.	INTERNET:	northup@sw.stratus.com
55 Fairbanks Boulevard	Amateur Radio:	N1QPR
Marlboro, MA 01752		QRP-NE #307
	NorCal #1027	

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: William Bruce James <wjames@ramlink.net>  
Subject: [4651] signup on list  
Message-ID: <199510232151.RAA11059@ram.ramlink.net>

would like to subscribe to your list  
Bruce James  
Kb8kac  
wjames@ramlink.net

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: km@PACT.ORG.PE (Kris Merschrod)  
Subject: [4657] Splitting the list - not the intent  
Message-ID: <m0t7WqA-000AuHC@rcp.net.pe>

Steve (AB4EL),

I promise to subscribe to "all" sections, but please let's have separate lists so that we can read section by section.

Perhaps there is a better way to have the "copy" grouped and to guide the responses to the original subject, but separate lists make the sorting automatic.

Of course some low-lives will not go for the QDOPE toxic waste section, but that would be their loss! You can lead a horse to water.... Also the latest census showed that there were more horses'

unowats than horses.

The point is to make QRP-l easier to read. That's why the home town newspaper's don't put the used car section on the front page -- of course some are putting the letters to the editor on the front page because that is what most folks buy the paper for!

Who is the editor?

obQRP -- I'll be looking for NW-QRP tonight at 10.123 MHz at 0200 UTC tonight (Monday).

Kris

OA4\KA20IG

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.po.my>  
Subject: [4666] Splitting list, no way!  
Message-ID: <308c4983.pandora@pandora.lugs.po.my>

Hi,

Just want to say that this list is a tradition in itself. And this issue of splitting the list has appeared before. Many of us like the list the way it is, so if it ain't broken, don't fix it. If you really need to, kill the articles with headings you don't like. Your mail reader has headings right? Well do what I do, kill the ones that don't interest you. But I certainly do not want to have to remember more than one list just in case the person I want to address is not on a particular list. I say keep it together. Hey, its a privilege to be on this list, and so even if I am too far from the US to hear the fox, I don't mumble about the FOX discussions ....

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.po.my  
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Don\_Burns-EPUR01@email.mot.com  
Subject: [4644] Static discharge?  
Message-ID: <"Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/"@MHS>

>What is your average local humidity? IF you live in 9M2 land, it IS highly  
>doubtful that the foggy jungle will ever allow you to draw a spark to a  
>semiconductor.

Be careful..... all it takes is the loss of one expensive part..... then we'll say, "I wish I had ...." High humidity environments are no guarantee. And anyone who works in a manufacturing facility will verify this. By the way, many parts are damaged to the extent that they will suffer infant mortality.

--

Don Burns K4GHD	\	Motorola E-Mail: epur01
Motorola Inc.	\	Internet:epur01@email.mot.com
North American Radio Systems Divn	\	Voice: 954-723-5518
Plantation, FL U.S.A.	\	Fax: 954-723-4343

X.400: /c=us/admd=attmail/prmd=motorola/g=don/s=burns/ddt=id/ddv=epur01/

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: rac@usa.net  
Subject: [4637] stinking badges  
Message-ID: <199510231356.HAA21028@mail.usa.net>

>I think Wayne wrote here about why can I hold a part and

>intentionally zap it and have it still work? (Hint is above.)

Very interesting this static stuff. I'm really surprised that there is any debate over static damage to small components. It's not a debatable issue. There is ton's of data to support the static discharge effect. If a sensitive component (and most MOS, some bipolar and even small resistors are sensitive) is subjected to a static discharge, current flows and damage is done. The problem is that in most cases of static discharge damage, the damage does not render the component useless. In fact, to the casual observer it appears to operate normally. But damage has occurred internally as discussed here. The question then is not "is the component damaged?????" The question is "when will it fail?" The latent defects created by the discharge are the ones that get you. You have no idea how badly or in what way the component is damaged, but it is damaged!

In commercial, industrial, medical and other applications where the

electronic equipment must work reliably, static discharge prevention is not an option. Responsible manufacturers and service companies prevent static discharge. Period.

What does that mean to us? Depends. What is the mission of the project we are building or repairing? Is it important that our piece of equipment operates at all times and under adverse conditions? If all we are going to do is chat with our friends or chase the fox, probably not. On the other hand, if our equipment may sometime be expected to provide emergency communications, it would be prudent to prevent static discharge damage. You decide.

-73-

-Lee WA3FIY-

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Dale Hall <102603.30@compuserve.com>  
Subject: [4664] Ten Tec Argonaut 505  
Message-ID: <951024033338\_102603.30\_HHU33-1@CompuServe.COM>

I am still looking for a QRP xcvr. I always seem to be a day late and a dollar short, so-to-speak.

Various QRPers have suggested I would be better off to look for a super het rather than a DC xcvr. Well, I agree, but there is the price thing. Various QRPers have suggested I go with a single bander. Well, that is a problem for me. If I got a single bander it would need to be 40 meters to be able to work you guys and especially the FOX. :-) In the summer I would be off-the-air because the QRN is so bad on 40 meters, here. I would be a fall/winter ham, if all I had was 40 meters!

Are there any Ten Tec Argonaut 505s for sale. I knew of a couple, recently; at least one in very good condx.....I missed them both. :-(  
Sommmmmme Daaaaaaay.....

de KB0WZ Dale

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Dale Hall <102603.30@compuserve.com>  
Subject: [4665] Ts130 Manual and Users Suppliment  
Message-ID: <951024033353\_102603.30\_HHU33-4@CompuServe.COM>

I recently offered a Kenwood service manual for a TS130 and A Users International Radio Club users suppliment for the TS120/130 series. Quite a number of you wanted one or both manuals. Only one got them. But in the aftermath of the explosion of so many wanting them, I obtained the phone numbers where these can be purchased.

TS130 service manual	800-428-7267
Users suppliment	407-489-0006

Hope you all get what you are looking for. de Dale KB0WZ

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: burdick@interval.com (Wayne Burdick)  
Subject: [4661] Using a KC1 with the Sierra  
Message-ID: <v02130518acb2091ebf8d@[199.170.106.28]>

I've been playing with a KC1/Sierra installation. I noticed that the size of RA is an interesting trade-off. If you make it too big, you may overcompensate for the lost sidetone level by turning the AF gain control up too high. Too small and the waveform isn't quite as pleasant. The best compromise seems to be about 100K. CA works as advertised at 0.01uF.

I'd be interested to hear from others who have done this installation.

73,  
Wayne  
N6KR

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "John F. Woods" <jfw@jfwhome.funhouse.com>  
Subject: [4659] Re: Dear Al on NE vs ARCI  
Message-ID: <199510240110.VAA16904@jfwhome.funhouse.com>

> I can see that you are after my thoughts; I'll not go into  
> details, but I don't think that Phili is in the NE.

Perhaps this was supposed to have been individual mail, but as long as it hit the entire group: note that you don't \*have\* to be in New England to join the QRP-NE group. (Heck, I'm certainly not in California, yet I belong to NORCAL -- and GQRP ought to be right out! :-)

72, John, WB7EEL/1

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Phil Wheeler <pcw@netcom.com>  
Subject: [4670] Re: Need Toroid Core Help!  
Message-ID: <Pine.3.89.9510232101.A17487-0100000@netcom11>

Might want to call Amiden or Palomar. They would likely have that info, Craig.

Phil

pcw@netcom.com

On Mon, 23 Oct 1995, Craig LaBarge wrote:

> I was looking through my dog-eared copy of Edward Noll's (W3FQJ) book "Solid  
> State QRP Projects" (circa 1970) and decided re-live my Novice days from 20+  
> years ago and build another "All-band Two-Watter" (aka "Michigan Mighty Mite").  
> This time, for 80 meters using a 3.579 crystal from the junk box.  
>  
> For the toroid version of the output tank, a Permacor 13/16" 57-1541 core is  
> specified. Does anybody have the specs on this core or an equivalent Amidon  
> core type?  
>  
> 73, Craig WB3GCK  
>  
>  
>

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: af852@rgfn.epcc.Edu (William R Colbert)  
Subject: [4677] Re: Need Toroid Core Help!  
Message-ID: <9510241258.AA19700@rgfn.epcc.Edu>

Dont have the info for that type toroid, but during that same period  
Les Earnshaw wrote at least one article for one of the amateur  
magazines showing solid state qrp transmitters with off the shelf  
or wind your own air-spaced inductors.(B&W 3012, etc) In 73 during



that same time period, Roy Gould, N5RG (then W5PAG) wrote an article or two on 80 meter qrp transmitters using airwound inductors. Something to consider especially if compactness is not the prime consideration.

72/73 Ray, W5XE  
El Paso

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "N100Q Tom R. @ MR01 24-Oct-1995 0922" <randolph@est.ENET.dec.com>  
Subject: [4681] re: Need Toroid Core Help!  
Message-ID: <9510241330.AA24333@us4rmc.pko.dec.com>

Something I'd like to see is a comprehensive substitution list for all the types of toroids and beads out there.

Sometimes you come across a construction article that uses Ferrocube or other cores, which presumably could be built using Amidon/Micrometals cores if you knew how to substitute them...

I'd even attempt to write up a list if I knew where to get the technical info.

-Tom R. N100Q randolph@est.enet.dec.com

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: Pat Taber <ptaber@logiccraft.com>  
Subject: [4676] Re: New List?  
Message-ID: <199510241206.IAA27803@nss2.CC.Lehigh.EDU>

> [...] But I would like  
>to see most of the 80-100 messages I receive a day kept to the  
>technical/operating side, not just reports that 'I did/didn't catch the  
>Fox'. Since the Foxes post  
>list of who they were able to hear, the individual messages seem to be  
>pointless.  
>

There are days when I too am so arrogant that I think of the net as an entertainment device and think everyone should write only about the things I personally am interested in. To steal an analogy, trying to direct the net is like trying to herd cats.

I like the fox reports. I don't read the "official list" I read the stories of the people who tried and failed or tried and succeeded or tried to try and enjoy them. But I enjoy the humanity of ham radio anyway. Someday I'm

evenn going to get my stuff together and chase that darn fox, and I'll post my own pointless story about it.

The thing about the net is no matter how wierd it gets, someone likes it. I'll be there's someone out there who likes the chain letters and/or posts from "Olga." And within certain limits most people like it. I'm certain the majority like both the fox reports \*and\* the discussion of harmonics when you turn the power down.

Relax. If you don't have time to delete the messages you're not interested in, unsubscribe for a while. Resubscribe when you have time. Ask a like-minded friend to forward you anything that's good while you're away. Or digest the list and redistribute it as "qrp-l-geeky-bits" to like-minded friends. (Although they'll complain at your selections - guaranteed.) Do something that makes you happy. Don't ask the net to make you happy.

>>>==>PStJTT

```
=====
Patrick Taber                      Email: ptaber@logiccraft.com
Principal Software Engineer        Phone: (603) 880-0300
Logiccraft Information Services    Fax:   (603) 880-7229
22 Cotton Road
Nashua N.H. 03063
```

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)  
Subject: [4680] Re: New List?  
Message-ID: <199510241315.KAA07914@public.compusult.nf.ca>

Bravo Patrick,

Some of the BEST advice I've seen so far on how to use (or disuse) the qrp-l list to make you happy. Good food for thought. Did you major in psychology BEFORE you became a software engineer?

Caio 73/72 Bob V01DRB/WA6ERB

PS: qrp-l gang read and re-read Patricks last paragraph quoted below - happiness will follow...

>Relax. If you don't have time to delete the messages you're not interested  
>in, unsubscribe for a while. Resubscribe when you have time. Ask a  
>like-minded friend to forward you anything that's good while you're away. Or  
>digest the list and redistribute it as "qrp-l-geeky-bits" to like-minded

>friends. (Although they'll complain at your selections - guaranteed.) Do  
>something that makes you happy. Don't ask the net to make you happy.

>

>>>>==>PStJTT

>

>=====

>Patrick Taber Email: ptaber@logiccraft.com

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>22 Cotton Road

>Nashua N.H. 03063

>

>

>

```
| Bob Gobrick VO1DRB/WA6ERB/VE2DRB Newfoundland, Canada |
| QRPPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      bgobrick@terra.nlnet.nf.ca |
|                rgobrick@public.compusult.nf.ca |
| Compuserve:    70466.1405@compuserve.com |
|-----|
```

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995

From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)

Subject: [4684] Re: New List?

Message-ID: <199510241419.KAA26687@dartvax.dartmouth.edu>

Patrick Taber wrote:

>Relax. If you don't have time to delete the messages you're not interested

>in, unsubscribe for a while. Resubscribe when you have time. Ask a

>like-minded friend to forward you anything that's good while you're away. Or

>digest the list and redistribute it as "qrp-l-geeky-bits" to like-minded

>friends. (Although they'll complain at your selections - guaranteed.) Do

>something that makes you happy. Don't ask the net to make you happy.

>

>>>>==>PStJTT

>

>=====

>Patrick Taber Email: ptaber@logiccraft.com

>Principal Software Engineer Phone: (603) 880-0300

>Logiccraft Information Services Fax: (603) 880-7229

>22 Cotton Road

>Nashua N.H. 03063

I agree with Patrick, I run into people every day that will complain if the sun comes up.

I thank God every day that my view of life has not narrowed up to such a point, that I must try to restrict the enjoyment of others in a fun list like this one.

de AA1IK            N.E.-QRP-C. # 202      ( Lead by example, It is better to       )  
    ( pull a string than it is to push it.)

Ernie Gregoire  
RR 1 Box 221  
Canaan, NH. 03741

e-mail : GREGOIRE@VALLEY.NET  
packet : AA1IK@WA1WOK.FN43FE.NH.USA

I use a similar program called LASERLIST (ver. 1.1, believe). Saves paper, ink and staples ..... and still very readable. Normally I digest, but just now I'm recovering from knee surgery, so I have the luxury of interneting (and hamming) all day if i want!

pcw@netcom.com

> Any of you that are using the DIGEST method of getting this  
> list and don't enjoy printing 30+ pages every day I have a

> shareware program that will print 4 pages per page, and yes  
> you can read them. It actually prints two pages per side of  
> paper. You run the program and then it prints two pages on  
> one side and then you flip the paper over and it prints the  
> other side. Fold everything in half and you have a 5.5" X  
> 8.5" book - all in order including page numbers if you want.  
> The program is called 'LJB00K.EXE' (IBM) and works on HP II  
> or higher printers. If someone can tell me how to upload it  
> to this list I'll do it.

>  
> Brad Mugleston KB0ROL  
>  
>  
>

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: dh@deneb.csustan.edu (Doug Hendricks)  
Subject: [4672] Re: QRP-L digest 157  
Message-ID: <9510240459.AA03523@deneb.csustan.edu>

I would like to comment that the source of my meeting John Liebenrood, K7RO was his posting on his experiences of building the R2/T2. The result of that posting was our meeting and the development of the Cascade. If some on this list had their way, it would have never happened. Please stop the calls for censorship. 72, Doug, KI6DS

From qrp-1@lehigh.edu Tue Oct 24 15:27:00 1995  
From: prvalko <prvalko@Oakland.edu>  
Subject: [4647] Re: Re "Variable Power Caveat"  
Message-ID: <Pine.OSF.3.91.951023131159.5233A-100000@saturn.acs.oakland.edu>

On Mon, 23 Oct 1995, chuck adams wrote:

> Now to get a couple of individuals, netpolice and otherwise,  
> off my case. I do not have an ego problem. I do have a  
> sensitivity problem when accused of same. So I am going to  
> take further contributions and spread them around in several  
> newsletters. There ain't a free lunch. Geeez.....

Ummmmm... Dear Chuck,

When \*I\* read the post from the fellow who regards the descriptions posted by fox hunters as "ego" trips, I also took a slow burn and

\*almost\* replied. I took a DEEP breath and (as any adult would) hit the Delete key to send that message to /dev/null where it belongs.

I received more than a couple of emails regarding, "The Big Easy." All favorable. If one "gentleman" thought that producing that for the enjoyment of the "L" was an ego trip, I take that comment for what it's worth.

So Chuck, are you threatening to quit posting fox results and other choice tidbits because they are not technical? If so, let us know. I'll be one of the first to unsubscribe.

73 =paul= wb8zjl

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: "David D. Meacham" <ddm@datatamers.com>  
Subject: [4669] Re: Re "Variable Power Caveat"  
Message-ID: <Pine.LNX.3.91.951023213932.7402C-100000@dt1.datatamers.com>

Mike,  
I think you hit on the answer. I should have restricted my caveat to Class-C amps (single ended) with half-wave filters. My observations were on my NorCal 40 and NorCal Sierra rigs.  
72, Dave, W6EMD

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: dsibie@hvsag01.ns-nl.att.com  
Subject: [4660] Re: Split the list?  
Message-ID: <9510231448.AA03191@hvstsg2.ns-nl.att.com>

Please, do not split the list anymore. Better: put dayton-l back on this list. Personally I enjoy most of the mails. When reading the results of fox hunts, 30m-studies and the rest it supports me in hanging on to qrp in spite of all kinds of people who still think that it is not possible to work with less than 100 Watts.  
About Dayton: it is very funny to read the enthousiastic mails before, during and afterwards of that meeting. Okay, the weather reports are redundant for people not going there, but still amusing.  
Personally I miss those mails.

72 de Dirk, PA3GNR

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: rgobrick@public.compuserve.com (Robert J. Gobrick)  
Subject: [4679] Re: Split the list?  
Message-ID: <199510241314.KAA07906@public.compuserve.com>

Hi Dirk,

I agree with you about recombining the Dayton-l list back into the qrp-l. At least put it this way - I will be doing as a minimum, monthly "action" updates for the QRP ARCI "Four Days in May" (c) QRP Symposium and I will be posting it to the three qrp list (qrp-l, gqrp-l and dayton-l). There is too much important Dayton related QRP stuff to be just put on the dayton-l list.

I also have no problem reading "EVERYTHING" qrp related in one list - the qrp-l list. As many have mentioned you need to use the delete key.

Also users of the qrp-l list who are concerned about the number of messages and the time "on-line" reading them need to explore some of the better options available for mail readers. As everyone who has been through this knows the trick is to get the mail "on-line" and move it as quickly and cost-effectively "OFF-LINE". If you have a full Internet account - mailers like Eudora get you in and out pronto. If you get your mail via Compuserve, American Online etc you need to explore readers that download your mail automatically to your computer (CIS Autosig, Tapcis, etc.). Once you have mail off-line it is more pleasurable to use the BIG D key to delete what you want at YOUR leisure.

Enough said for now - I hope I don't increase the "bandwidth" more on this issue. I would just like to see things (ie qrp-l) left alone as they now are. The consensus from what I can tell is that there is no need for more qrp related lists. This list is not a "slick" World Wide Web page with some order - it's a free-for-all message center for people's thoughts etc as they relate to QRP - why I even consider Nils literary items as really important to the qrp psyche.

Caio 73/72 Bob V01DRB/WA6ERB

>Please, do not split the list anymore. Better: put dayton-l back on  
>this list. Personally I enjoy most of the mails. When reading the results  
>of fox hunts, 30m-studies and the rest it supports me in hanging on to  
>qrp in spite of all kinds of people who still think that it is not possible  
>to work with less than 100 Watts.  
>About Dayton: it is very funny to read the enthusiastic mails before,  
>during and afterwards of that meeting. Okay, the weather reports are

>redundant for people not going there, but still amusing.  
>Personally I miss those mails.

>  
>72 de Dirk, PA3GNR

>  
>

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|      Bob Gobrick  V01DRB/WA6ERB/VE2DRB  Newfoundland, Canada  |
|      QRPPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP  |
|      Internet:      bgobrick@terra.nlnet.nf.ca  |
|                      rgobrick@public.compuserve.nf.ca  |
|      Compuserve:    70466.1405@compuserve.com  |
|-----
```

From qrp-l@lehigh.edu Tue Oct 24 15:27:00 1995  
From: James Lyons <jlyons@CAM.ORG>  
Subject: [4674] Re: Splitting list, no way!  
Message-ID: <199510240942.FAA06534@Ocean.CAM.ORG>

I agree 100% with the following!

Jim Lyons, VE2KN

On Mon, 23 Oct 1995, W. Daniel, 9V1ZV wrote:

> Hi,  
>  
> Just want to say that this list is a tradition in itself. And this issue  
> of splitting the list has appeared before. Many of us like the list the way  
> it is, so if it ain't broken, don't fix it. If you really need to, kill the  
> articles with headings you don't like. Your mail reader has headings right?  
> Well do what I do, kill the ones that don't interest you. But I certainly do  
> not want to have to remember more than one list just in case the person I  
> want to address is not on a particular list. I say keep it together. Hey,  
> its a privilege to be on this list, and so even if I am too far from the US  
> to hear the fox, I don't mumble about the FOX discussions ....

>  
> 73 de 9V1ZV Daniel  
> --  
> Daniel Wee | daniel@pandora.lugs.po.my  
> 9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

>  
>  
>



